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## NOTICE OF ALLOWANCE AND FEE(S) DUE

466 7590 04/07/2008

YOUNG & THOMPSON  
209 Madison Street  
Suite 500  
ALEXANDRIA, VA 22314

EXAMINER

DAVIS, DEBORAH A

ART UNIT

PAPER NUMBER

1655

DATE MAILED: 04/07/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,359	06/03/2005	Claude Dal Farra	0591-1009	2647

TITLE OF INVENTION: USE OF A COITON HONEYDEW EXTRACT AS ACTIVE INGREDIENT IN OR FOR PREPARING A COSMETIC AND/OR PHARMACEUTICAL COMPOSITION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	07/07/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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466 7590 04/07/2008

**YOUNG & THOMPSON**  
209 Madison Street  
Suite 500  
ALEXANDRIA, VA 22314

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### Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

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nonprovisional	YES	\$720	\$300	\$0	\$1020	07/07/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
DAVIS, DEBORAH A	1655	424-72500

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE \_\_\_\_\_

(B) RESIDENCE: (CITY AND STATE OR COUNTRY) \_\_\_\_\_

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:  
 Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  
 A check is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)  
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS; SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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466	7590	04/07/2008		
EXAMINER				DAVIS, DEBORAH A
ART UNIT				PAPER NUMBER 1655
DATE MAILED: 04/07/2008				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 413 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 413 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/537,359	DAL FARRA ET AL.	
	<b>Examiner</b>	Art Unit	
	DEBORAH A. DAVIS	1655	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to an amendment filed on 12-20-07.
- The allowed claim(s) is/are 19-23,25-32 and 34-41.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - All
  - Some\*
  - None
 of the:
  - Certified copies of the priority documents have been received.
  - Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
 Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

- Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- Notice of Informal Patent Application
- Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
- Examiner's Amendment/Comment
- Examiner's Statement of Reasons for Allowance
- Other \_\_\_\_\_.

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Phillip Dubois on March 28, 2008.

**IN THE CLAIMS:**

Claims 24 and 33 have been canceled. Claims 19-23, 25-32, and 34-36 have been amended to read as follows:

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19. A method for treating a keratin substrate, comprising applying an effective amount of at least a cotton honey dew extract or composition comprising a cotton honeydew extract to the keratin substrate.

20. A method to protect skin and/or hair against external aggressions, comprising applying an effective amount of at least a cotton honey dew extract or composition comprising a cotton honeydew extract to the skin and/or hair.

21. A method to increase keratin substrate synthesis, comprising applying an effective amount of at least a cotton honey dew extract or composition comprising a cotton honeydew extract to the keratin substrate.

22. A method to reinforce the cutaneous barrier of the skin and/or to reinforce the protection of hair, comprising applying an effective amount of at least a cotton honey dew extract or composition comprising a cotton honeydew extract to the skin and/or hair.

23. A method to nourish keratin substrates, comprising applying an effective amount of at least a cotton honey dew extract or composition comprising a cotton honeydew extract to the keratin substrates.

25. The method according to claim 19 wherein the cotton honeydew extract contains sugars selected from the group consisting of glucose, fructose, saccharose, trehalose, melezitose, trehalulose and inositol.

26. The method according to claim 19 wherein the sugars present in cotton honeydew extract are 30 to 40 % fructose, 20 to 30 % glucose, 3 to 20 % saccharose, 0 to 10 % melezitose, 0 to 6 % trehalulose, 0 to 10 % trehalulose and 0 to 12 % inositol as a percentage of the total quantity of sugars present in the honeydew.

27. The method according to claim 19 wherein the cotton honeydew extract is used in proportions between 0.0001 % and 20 %, by weight, relative to the total weight of the composition.

28. A cosmetic and/or dermatological and/or pharmaceutical composition, comprising cotton honeydew extract, as an active ingredient, within a cosmetically, pharmaceutically or dermatologically acceptable medium, wherein the extract is dissolved in one or several cosmetically or pharmaceutically acceptable solvents selected from the group consisting of ethanol, propanol, isopropanol, propylene glycol, butylene glycol, dipropylene glycol, ethoxylated diglycols propoxylated diglycols, cyclic polyols, petroleum jelly, vegetable oil, and combinations thereof, and wherein the cotton honeydew extract is present in the composition at a concentration between 0.0001 % and 20 %, by weight, relative to the total weight of the composition.

29. A cosmetic and/or dermatological and/or pharmaceutical composition comprising a cotton honeydew extract, as an active ingredient, within a cosmetically, pharmaceutically or dermatologically acceptable medium, wherein the extract is dissolved in a cosmetic or pharmaceutical vector selected from the group consisting of liposomes, adsorbed on powdery organic polymers, mineral supports, talc, and bentonites, and wherein the cotton honeydew extract is present in the composition at a concentration between 0.0001 % and 20 %, by weight, relative to the total weight of the composition.

30. The composition according to claim 28, wherein the composition is a cosmetic and/or dermatological composition adapted to topical cutaneous application through an acceptable cosmetic or dermatological medium.

31. The composition according to claim 28, wherein the extract is dissolved in a cosmetic or pharmaceutical vector selected from the group consisting of liposomes, adsorbed on powdery organic polymers, mineral supports, tale and bentonites.

32. The composition according to claim 28, wherein the extract is in the form of an oil solution, or the form of an oil-in-water or water-in-oil emulsion or in multiple emulsions.

34. A method for treating keratin substrates consisting of applying to the keratin substrates an effective amount of the composition according to claim 28.

35. A method for treating skin and/or hair against external aggressions consisting of applying to the surface of the skin and/or hair an effective amount of the composition according to claim 28.

36. A method of reinforcing skin protection, increasing keratin synthesis, and/or nourishing keratin substrates, consisting of applying to the skin surface and/or hair an effective amount of the composition according to claim 28.

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The following new claims, claims 37-41, have been added:

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37. (new) The composition according to claim 29, wherein the composition is a cosmetic and/or dermatological composition adapted to topical cutaneous application through an acceptable cosmetic or dermatological medium.

38. (new) The composition according to claim 28, wherein the extract is in the form of an oil solution, or the form of an oil-in-water or water-in-oil emulsion or in multiple emulsions.

39. (new) A method for treating skin and/or hair against external aggressions consisting of applying to the surface of the skin and/or hair an effective amount of the composition according to claim 29.

40. (new) A method of reinforcing skin protection, increasing keratin synthesis, and/or nourishing keratin substrates, consisting of applying to the skins surface and/or hair an effective amount of the composition according to claim 29.

41. (new) A method for treating keratin substrates consisting of applying to the keratin substrates an effective amount of the composition according to claim 28.

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***Conclusion***

Claims 19-23, 25-32, and 34-41 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DEBORAH A. DAVIS whose telephone number is (571)272-0818. The examiner can normally be reached on 8-5 Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terry McKelvey can be reached on (571) 272-0775. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Deborah A. Davis  
Patent Examiner  
Art Unit 1655  
March 2008

/Christopher R. Tate/  
Primary Examiner, Art Unit 1655